EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	2	("20070128844").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/18 19:56
S2	2	("6468882").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/18 19:56
S3	2	("6156581").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/18 19:56
S4	1	(US-6468882-$).did.	USPAT	OR	ON	2007/07/18 19:57
S5	1	(US-6156581-$).did.	USPAT	OR	ON	2007/07/18 19:57
S6	2	S4 or S5	USPAT	OR	ON	2007/07/18 20:06
S7	8	(gallium adj nitride or GaN) and a-plane and quantum adj well and non adj polar	USPAT	OR	ON	2007/07/18 20:18
S8	5	S7 and @ad<"20031211"	USPAT	OR	ON	2007/07/18 20:16
S9	2	S8 and (NOT (Craven or DenBaars).in.)	USPAT	OR	ON	2007/07/19 13:10
S10	2	S9 and (gallium adj nitride or GaN) and a-plane and quantum adj well and non adj polar	USPAT	OR	ON	2007/07/18 20:18
S11	2	(US-7132730-$ or US-7057211-$).did.	USPAT	OR	ON	2007/07/18 20:18
S12	2	S11 and (gallium adj nitride or GaN) and a-plane and quantum adj well and non adj polar	USPAT	OR	ON	2007/07/19 12:56
S13	2	(US-7132730-$ or US-7057211-$).did.	USPAT	OR	ON	2007/07/19 12:57
S23	5	$2plane and quantum same well and non adj polar and layer and substrate and sapphire and (well same width) and (NOT (Craven or DenBaars).in.) and @ad<"20031211"	USPAT	OR	ON	2007/07/19 13:35

EAST Search History

S24	1	(gallium same nitride or GaN or Ga adj N) and $2plane and quantum same well and non adj polar and layer and substrate and sapphire and (well same width) and (NOT (Craven or DenBaars).in.) and @ad<"20031211"	USPAT	OR	ON	2007/07/19 13:43
S25	1	S24 and (gallium same nitride or GaN or Ga adj N) and $2plane and quantum same well and non adj polar and layer and substrate and sapphire and (well same width)	USPAT	OR	ON	2007/07/19 13:37
S26	1	(US-6942771-$).did.	USPAT	OR	ON	2007/07/19 13:37
S34	2	("5691248").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/19 18:49
S35	210	257/14,E21.113,E21.463,E33.008, E31.033.ccls. and (gallium same nitride or GaN or Ga adj N) and sapphire and (NOT (Craven or DenBaars).in.) and @ad<"20031211"	USPAT	OR	ON	2007/08/03 16:38
S36	111	S35 and $2plane	USPAT	OR	ON	2007/08/03 16:31
S37	21	S36 and r adj plane and a adj plane	USPAT	OR	ON	2007/08/03 16:36
S38	20	S37 and width	USPAT	OR	ON	2007/08/03 16:36
S39	5	S38 and $4polar$4	USPAT	OR	ON	2007/08/03 16:36
S40	0	S39 and nucleation	USPAT	OR	ON	2007/08/03 19:04
S41	0	S39 and "band edge emission"	USPAT	OR	ON	2007/08/03 16:35
S42	2	S39 and "band edge"	USPAT	OR	ON	2007/08/03 16:36
S43	5	(gallium same nitride or GaN or Ga adj N) and sapphire and r adj plane and a adj plane and width and $4polar$4 and band near4 edge	USPAT	OR	ON	2007/08/03 16:37
S44	3	257/14,E21.113,E21.463,E33.008, E31.033.ccls. and (gallium same nitride or GaN or Ga adj N) and sapphire and r adj plane and a adj plane and width and $4polar$4 and band near4 edge	USPAT	OR	ON	2007/08/03 20:35
S45	5	S43 or S44	USPAT	OR	ON	2007/08/03 16:37
S46	3	S45 and (NOT (Craven or DenBaars).in.) and @ad<"20031211"	USPAT	OR	ON	2007/08/03 18:57

S47	3	(US-7208096-$ or US-6229151-$ or US-6569704-$).did.	USPAT	OR	ON	2007/08/03 16:39
S48	3	S47 and (gallium same nitride or GaN or Ga adj N) and sapphire and r adj plane and a adj plane and width and $4polar$4 and band near4 edge	USPAT	OR	ON	2007/08/03 16:48
S49	6	257/14,E21.113,E21.463,E33.008, E31.033.ccls. and (gallium same nitride or GaN or Ga adj N) and sapphire and emission and intensity and width and $4polar$4 and band near4 edge	USPAT	OR	ON	2007/08/03 21:16
S50	5	S49 and (NOT (Craven or DenBaars).in.) and @ad<"20031211"	USPAT	OR	ON	2007/08/03 17:06
S51	5	S50 and quantum adj well	USPAT	OR	ON	2007/08/03 17:06
S52	3	S50 and (quantum adj well same width)	USPAT	OR	ON	2007/08/03 17:07
S53	3	S52 and (gallium same nitride or GaN or Ga adj N) and sapphire and emission and intensity and width and $4polar$4 and band near4 edge	USPAT	OR	ON	2007/08/03 17:54
S54	1	(US-7208096-$).did.	USPAT	OR	ON	2007/08/03 17:51
S55	3	S53 and (gallium same nitride or GaN or Ga adj N) same substrate	USPAT	OR	ON	2007/08/03 17:54
S56	3	S48 and (gallium same nitride or GaN or Ga adj N) same substrate	USPAT	OR	ON	2007/08/03 17:52
S57	5	S50 and (gallium same nitride or GaN or Ga adj N) same substrate	USPAT	OR	ON	2007/08/03 17:54
S58	6	S55 or S56 or S57	USPAT	OR	ON	2007/08/03 17:54
S59	6	S58 and (gallium same nitride or GaN or Ga adj N) and sapphire and emission and intensity and width and $4polar$4 and band near4 edge and (gallium same nitride or GaN or Ga adj N) same substrate	USPAT	OR	ON	2007/08/03 17:55
S60	6	(US-7208096-$ or US-6229151-$ or US-6882051-$ or US-6996147-$ or US-6849472-$ or US-6569704-$). did.	USPAT	OR	ON	2007/08/03 17:55
S61	6	S60 and (gallium same nitride or GaN or Ga adj N) and sapphire and emission and intensity and width and $4polar$4 and band near4 edge and (gallium same nitride or GaN or Ga adj N) same substrate	USPAT	OR	ON	2007/08/03 18:57

S62	2	S61 and anneal$3	USPAT	OR	ON	2007/08/03 18:02
S63	3	S49 and anneal$3	USPAT	OR	ON	2007/08/03 18:19
S64	6	("6298079").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/03 18:19
S65	1	(US-6298079-$).did.	USPAT	OR	ON	2007/08/03 18:20
S66	1	S65 and width	USPAT	OR	ON	2007/08/03 18:22
S67	0	S66 and emission and intensity and (PL or photoluminescence or photo adj luminescence)	USPAT	OR	ON	2007/08/03 18:57
S68	0	S66 and intensity and (PL or photoluminescence or photo adj luminescence)	USPAT	OR	ON	2007/08/03 18:23
S69	0	S66 and (PL or photoluminescence or photo adj luminescence)	USPAT	OR	ON	2007/08/03 18:24
S70	5	S58 and (PL or photoluminescence or photo adj luminescence)	USPAT	OR	ON	2007/08/03 18:24
S71	5	S70 and emission and intensity and (PL or photoluminescence or photo adj luminescence)	USPAT	OR	ON	2007/08/03 18:24
S72	5	S71 and quantum adj well	USPAT	OR	ON	2007/08/03 18:56
S73	0	S72 and MQW	USPAT	OR	ON	2007/08/03 18:24
S74	10	a-plane and (non adj polar or nonpolar)	USPAT	OR	ON	2007/08/03 19:25
S75	4	S74 and (NOT (Craven or DenBaars).in.) and @ad<"20031211"	USPAT	OR	ON	2007/08/03 19:26
S76	4	S75 and (gallium same nitride or GaN or Ga adj N) and (gallium same nitride or GaN or Ga adj N) same substrate	USPAT	OR	ON	2007/08/03 19:07
S77	0	S76 and emission and intensity and (PL or photoluminescence or photo adj luminescence)	USPAT	OR	ON	2007/08/03 18:58
S78	1	S76 and intensity and (PL or photoluminescence or photo adj luminescence)	USPAT	OR	ON	2007/08/03 18:58
S79	3	S76 and (PL or photoluminescence or photo adj luminescence)	USPAT	OR	ON	2007/08/03 18:58
S80	3	S75 and sapphire and width	USPAT	OR	ON	2007/08/03 19:22
S81	2	S80 and nucleation	USPAT	OR	ON	2007/08/03 19:04

S82	2	S81 and a-plane and (non adj polar or nonpolar) and (gallium same nitride or GaN or Ga adj N) and (gallium same nitride or GaN or Ga adj N) same substrate and sapphire and width and nucleation and quantum adj well	USPAT	OR	ON	2007/08/03 19:58
S83	2	(US-7057211-$ or US-7132730-$). did.	USPAT	OR	ON	2007/08/03 19:08
S84	2	S83 and a-plane and (non adj polar or nonpolar) and (gallium same nitride or GaN or Ga adj N) and (gallium same nitride or GaN or Ga adj N) same substrate and sapphire and width and nucleation and quantum adj well	USPAT	OR	ON	2007/08/03 19:13
S85	6	S55 or S56 or S57	USPAT	OR	ON	2007/08/03 19:21
S86	0	S85 and a-plane and (non adj polar or nonpolar)	USPAT	OR	ON	2007/08/03 19:09
S87	2	S83 and a-plane and (non adj polar or nonpolar) and (gallium same nitride or GaN or Ga adj N) and (gallium same nitride or GaN or Ga adj N) same substrate and sapphire and width and nucleation and quantum adj well and anneal$3	USPAT	OR	ON	2007/08/03 19:13
S88	8	S85 or S87	USPAT	OR	ON	2007/08/03 19:21
S89	2	S75 and sapphire and width and anneal$3	USPAT	OR	ON	2007/08/03 19:26
S90	7	a-plane and (non adj polar or nonpolar) and r-plane and substrate	USPAT	OR	ON	2007/08/03 19:55
S91	2	S90 and sapphire and width and anneal$3	USPAT	OR	ON	2007/08/03 19:26
S92	0	S91 and (NOT (Craven or DenBaars).in.) and @ad<"20031211"	USPAT	OR	ON	2007/08/03 19:33
S93	23	("20010029086" | "20020047113" | "20030114017" | "20040108513" | "5926726" | "6051849" | "6153010" | "6156581" | "6177057" | "6177292" | "6180270" | "6268621" | "6350666" | "6413627" | "6441391" | "6468882" | "6582986" | "6586316" | "6602763" | "6623560" | "6635901" | "6645295" | "6900070").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/03 19:30

S94	18	("20010029086"|"20020047113"|"20030114017"|"20040108513"|"5926726"|"6051849"|"6153010"|"6156581"|"6177057"|"6177292"|"6180270"|"6268621"|"6350666"|"6413627"|"6441391"|"6468882"|"6582986"|"6586316"|"6602763"|"6623560"|"6635901"|"6645295"|"6900070").PN. and (NOT (Craven or DenBaars).in.) and @ad<"20031211"	USPAT	OR	ON	2007/08/03 19:31
S95	0	S94 and a-plane and (non adj polar or nonpolar) and r-plane and substrate	USPAT	OR	ON	2007/08/03 19:32
S96	0	S94 and $2plane and (non adj polar or nonpolar) and substrate	USPAT	OR	ON	2007/08/03 19:33
S97	43	("20010008656" | "20010022154" | "20020014631" | "20020031153" | "20020047113" | "20020063258" | "20020078881" | "20030143771" | "20040031978" | "20040139912" | "20040244680" | "20040255840" | "5456204" | "5679965" | "5780876" | "5868837" | "5928421" | "6046464" | "6067310" | "6156581" | "6172382" | "6177057" | "6249534" | "6252261" | "6329215" | "6372041" | "6399500" | "6399966" | "6423984" | "6447604" | "6459712" | "6468882" | "6488767" | "6509651" | "6586762" | "6593589" | "6614824" | "6677619" | "6686608" | "6711191" | "6720586" | "6858882" | "6924512").PN. OR ("7132730"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/03 19:32
S98	35	("20010008656" | "20010022154" | "20020014631" | "20020031153" | "20020047113" | "20020063258" | "20020078881" | "20030143771" | "20040031978" | "20040139912" | "20040244680" | "20040255840" | "5156581" | "5456204" | "5780876" | "5868837" | "5928421" | "6067310" | "6156581" | "6172382" | "6177057" | "6249534" | "6252261" | "6372041" | "6399966" | "6423984" | "6468882" | "6509651" | "6586762" | "6614824" | "6677619" | "6711191" | "6720586" | "6858882" | "6924512").PN. OR ("7057211"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/03 19:33

S99	44	S97 or S98	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/03 19:33
S10 0	32	S99 and (NOT (Craven or DenBaars).in.) and @ad<"20031211"	USPAT	OR	ON	2007/08/03 19:55
S10 1	2	S75 and sapphire and width and anneal$3	USPAT	OR	ON	2007/08/03 19:35
S10 2	2	S101 and width	USPAT	OR	ON	2007/08/03 19:35
S10 3	8	S85 or S87	USPAT	OR	ON	2007/08/03 19:42
S10 4	6	a-plane and (non adj polar or nonpolar) and r-plane and c-plane and substrate	USPAT	OR	ON	2007/08/03 20:32
S10 5	1	S104 and (NOT (Craven or DenBaars).in.) and @ad<"20031211"	USPAT	OR	ON	2007/08/03 21:15
S10 6	1	S105 and (non adj polar or nonpolar) and (gallium same nitride or GaN or Ga adj N) and (gallium same nitride or GaN or Ga adj N) same substrate	USPAT	OR	ON	2007/08/03 21:13
S10 7	1	a-plane and (non adj polar or nonpolar) and r-plane and c-plane and substrate and quantum adj well and sapphire and width and (NOT (Craven or DenBaars).in.) and @ad<"20031211"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/03 20:42
S10 8	1	(US-20060138431-$).did.	US-PGPUB	OR	ON	2007/08/03 20:43
S10 9	1	S108 and a-plane and (non adj polar or nonpolar) and r-plane and c-plane and substrate and quantum adj well and sapphire and width and (NOT (Craven or DenBaars).in.) and @ad<"20031211"	US-PGPUB	OR	ON	2007/08/03 20:42
S11 0	1	(US-20060138431-$).did. and a-plane and (non adj polar or nonpolar) and r-plane and c-plane and substrate and quantum adj well and sapphire and width and (NOT (Craven or DenBaars).in.) and @ad<"20031211"	US-PGPUB	OR	ON	2007/08/03 20:43

S11 1	1	(US-20060138431-$).did. and a-plane and (non adj polar or nonpolar) and r-plane and c-plane and substrate and quantum adj well and sapphire and width	US-PGPUB	OR	ON	2007/08/03 21:02
S11 2	2	("20070128844").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/03 21:13
S11 3	428	(gallium same nitride or GaN or Ga adj N) and (gallium same nitride or GaN or Ga adj N) same substrate and quantum adj well and width same (".ANG." or "nm")	USPAT	OR	ON	2007/08/03 21:21
S11 4	569	(gallium same nitride or GaN or Ga adj N) and (gallium same nitride or GaN or Ga adj N) same substrate and quantum adj well and width same (".ANG." or "nm") and (NOT (Craven or DenBaars).in.) and @ad<"20031211"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/03 21:15
S11 5	478	S114 and sapphire	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/03 21:16
S11 6	508	S115 a-plane and (non adj polar or nonpolar) and r-plane and c-plane and substrate	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/03 21:17
S11 7	0	S115 and a-plane and (non adj polar or nonpolar) and r-plane and c-plane and substrate	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/03 21:17

S118	1	S115 and (non adj polar or nonpolar) and substrate	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/03 21:17
S119	1	(US-20040135222-$).did.	US-PGPUB	OR	ON	2007/08/03 21:20
S120	1	S119 and width same (".ANG." or "nm")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/03 21:21